



HISTORY

Second World War Evacuees

Key Stage 1 & 2. Workshop

Outline: Explore what it was like to be a child evacuated during the war. Why were children evacuated to Keighley and where did they come from? Discover which evacuees have left their suitcases at the station. What would you pack if it was you? Write a postcard home as an evacuee.

Learning Outcomes:

- To find out about the experiences and feelings of evacuees
- To communicate their learning in an organised and structured way
- To empathise with the experiences and feelings of evacuees
- To present different characters through dialogue, role-play and writing

Railways & Transport through the Industrial Revolution

Key Stage 2. Workshop

Outline: Taught in two sections either side of lunch. One group learns about the railways' industrial aspects, the other social and leisure aspects.

Industrial: How and why railways were created, the impact on the UK and how this has evolved. Pupils will also explore elements of geography.

Social and Leisure: How leisure and commercial travel were impacted and helping understand how the railways have been key to pivotal events.

Learning Outcomes:

- Tracing how aspects of national history are reflected in the locality
- Know about the characteristic features of the period and society, including people's ideas, beliefs, attitudes and experiences
- Make links between events, situations and changes across the period
- Recognise that the past is represented and interpreted in different ways
- Learn how to find out about the past from a range of sources
- Describe and understand key aspects of human geography and the distribution of natural resources.

Seaside Holidays

Key Stage 1. Workshop Cost

Outline: Explore the fascinating era of the Victorians – what the children wore, ate and things they did... plus how they got there. What are the differences and similarities between Victorian holiday makers and their own experiences.

Learning Outcomes:

- Understanding how holidays in the past were different to today
- Place events and objects in chronological order
- Use common words and phrases relating to the passing of time
- Identify differences between ways of life at different times
- Identify different ways in which the past is represented
- How to find out about the past from a range of sources.



Rail Story

EDUCATION CENTRE

COLLABORATION WORKS

Ingrow West Station and Yard have undergone a massive transformation in recent years to become Rail Story – a collaborative plan between the Keighley & Worth Valley Railway, the Vintage Carriages Trust and the Bahamas Locomotive Society to develop the site and give visitors greater opportunities to learn about and understand about the

preservation and conservation of Britain's railway heritage.

With the backing of the Heritage Lottery Fund the Learning Coach has been beautifully restored and is an essential and central part of the project.

It has gained plaudits from across the railways sector, and the backing of *The Railway Magazine*, Britain's largest railway publication.

OUR WORKSHOPS

All workshops are based on a group consisting of up to 30 children and six adults.

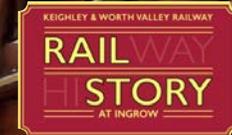
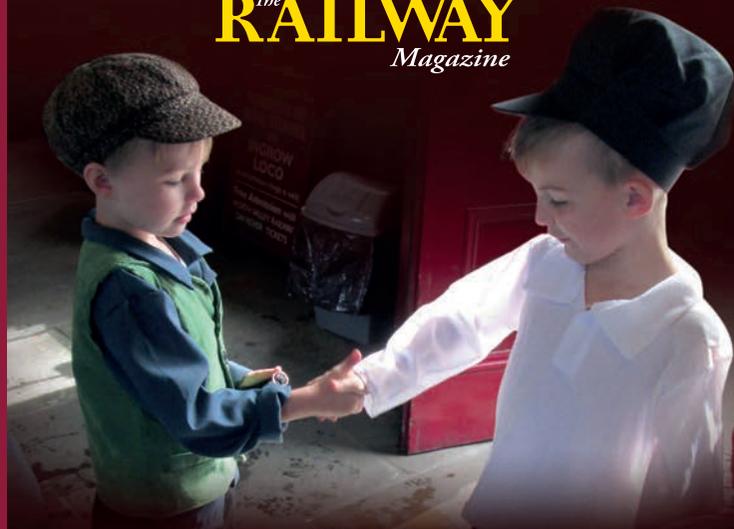
Due to the space restrictions of our classroom in the Learning Coach, classes will be split into two

groups of 15 for the day. Most of our workshops follow the same itinerary.

For information on timetables, costs of workshops or even just a chat about the opportunities, call Debbie Cross on 07825 632123.

In association with

The RAILWAY
Magazine



Rail Story

EDUCATION CENTRE

Rail Story Education Centre is the perfect place to bring so many subjects to life, and do it in a unique and historic setting. Located at Ingrow West station on the Keighley and Worth Valley Railway, Rail Story offers a varied and comprehensive educational package which complements classroom learning. With links to Science, Literature, Mathematics, Engineering and Technology, Art and Design, History and Geography, it is the perfect contextual and experiential addition to the learning provision for every child.

In association with

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Supported by

The National Lottery
through the Heritage Lottery Fund



Workshops

SCIENCE Friction

Key Stage 1 & 2. Workshop

Outline: Get involved with the force of friction and how it affects moving objects. Explore what forces interact and how different surface materials and lubricants affect the amount of friction generated. This experiment aims to consolidate understanding of what friction is and how it is created, with specific application to movement of trains. It inspires critical thinking skills through considering what variables increase or decrease this force.

Learning Outcomes:

- Compare how things move on different surfaces
- Notice that some forces need contact between two objects
- Recognise that some mechanisms such as levers allow a smaller force to have a greater effect
- Identify the effects of friction that act between moving surfaces
- Asking relevant questions and using scientific reasoning to answer them
- Setting up simple practical enquiries, comparative and fair tests
- Making systematic and careful observations and, where appropriate, taking accurate measurements using a range of equipment.

Changes of State

Key Stage 2. Workshop

Outline: Pupils will be challenged to explain why changes of state are needed to move a steam train. Investigate which fuel gives the most energy when burned. This activity aims to reinforce understanding of states of matter and how temperature dictates a chemical's state. It encourages pupils to think about and consider the importance of variables in an investigation and how it is necessary to control these when carrying out a fair test.

Learning Outcomes:

- Observe some materials change state when they are heated or cooled
- Understand the temperature at which water changes state
- Asking relevant questions and using scientific reasoning to answer them
- Setting up simple practical enquiries, comparative and fair tests
- Making systematic and careful observations and where appropriate, taking accurate measurements using standard units and using a range of equipment.

From Root to Tip

Key Stage 2. Workshop

Outline: Learn about and explore the life of a tree, using your observation skills to find the different types of inhabitants who live on, under and around the tree, and then record your findings. You will also learn about how these creatures co-exist and are part of a life cycle.

Learning Outcomes:

- Identification and classification
- Identify and describe the basic structure of a tree
- Observe changes across the four seasons
- Identify that most living things live in habitats to which they are suited and how they are dependant on each other
- Name a variety of animals in their habitats
- Recognise that living things can be grouped in a variety of ways.

ENGINEERING & TECHNOLOGY

Building Bridges

Key Stage 2 & 3. Workshop

Outline: Students work in teams to budget for and build a railway bridge from various materials which will be strong enough to hold a wooden train track to get their engine across. Through this challenge students will understand some shapes and materials are stronger than others, weak materials can be made stronger with good design techniques and that distribution of mass is an important consideration when building structures. They will also learn project management skills.

Learning Outcomes:

Key Stage 2

- Writing skills, planning, drafting and evaluating script before performance
- Students will learn about grouping and classifying materials
- Finding useful materials
- Properties of materials
- Choosing materials for a purpose and testing the properties of materials
- Project management and team building
- Budgeting and working to timescales.

Key Stage 3

- Writing skills, planning, drafting and evaluating script before performance
- Students will learn about properties of materials
- Choosing materials for a purpose
- Testing the properties of materials
- Exploring how application of scientific ideas can bring technological developments and changes in the way people think and behave
- Project management and team building
- Budgeting and working to timescales.

MATHS

Don't Miss the Train!

Key Stage 1&2. Workshop

(Inc Steam or Diesel Train Travel)

Outline: Pupils will use a train timetable to plan a day on the Keighley & Worth Valley Railway. They will use their understanding of timetables to plan which stations they can visit in the time available. Information will be provided about the heritage and activities at each station, which will enable them to make an informed choice about how to plan their day out.

Learning Outcomes:

- Using timetables to investigate lengths of journeys and arrival/ departure times
- Examine timetables for repeating patterns e.g. hourly, half-hourly etc
- Planning own learning according to the required National Curriculum subjects.

FILM

Lights, Camera, Action!

Key Stage 2 & 3. Workshop

Outline: Create your own short film. We provide the setting and props; you provide the creativity and imagination. This workshop allows you to develop filmmaking and collaborative skills in a context-based setting.

Learning Outcomes:

- Develop language including articulation, narrative, imagination, fluency, audibility, presentation, performance, 3D shapes, area and volume
- Develop writing skills, planning, drafting and evaluating script.

LITERATURE

The Railway Children

Key Stage 2. Workshop

(Inc Steam or Diesel Train Travel)

Outline: This session will take the children back in time to the world of The Railway Children where they can use their imagination whilst learning about the story. They will go on an exciting train ride to discover all about the book and film, and explore and investigate some of the places and locations where the children lived and played in the film.

Learning Outcomes:

- Appreciate our rich and varied literary heritage
- Increase their familiarity with a wide range of books including fiction
- Identifying themes and conventions in a wide range of books

Teddy Bears to the Rescue

Key Stage EYFS & 1. Workshop

(Inc Steam or Diesel Train Travel)

Outline: Join our bears for a day of fun and adventure, including spotting some of our animal friends along the line, your very own teddy bears' picnic, then visit Story Corner and take part in one of our craft activities.

Learning Outcomes:

- Improving speaking and listening skills
- Widening vocabulary through listening and speaking
- Creative Play

*We encourage every child to bring their own teddy bear.

EXPLORING & INVESTIGATING

Murder on the Rails

Key Stage 2 & 3. Workshop

Outline: Be like Sherlock Holmes and use your investigative skills to solve a murder most horrid. A passenger has been murdered, but the perpetrator is still around. It is up to you to search for clues and establish who the murderer is and their motives. This workshop provides a context specific setting and helps develop investigative skills and critical thinking.

Learning Outcomes:

- Use deductive and reasoning skills to solve the mystery
- Work collaboratively to search for and use evidence
- Use information methodically and articulate findings

ART & DESIGN

Art, Nature & the Railway

Key Stage 1 & 2. Workshop

Outline: From trains to trees and stations to scenic views, this art-based workshop will take you on a journey along the railway where industry and nature meet. Choose your material: paper, a pebble, a leaf... experiment with texture, colour and pattern to create a masterpiece.

Learning Outcomes:

Key Stage 1

- Use drawing and painting to develop and share ideas, experiences and imagination
- Develop a wide range of art and design techniques in using colour, pattern, texture, line, shape, form and space

Key Stage 2

- Develop artistic control and experimentation skills
- Improve art and design techniques, including drawing and painting.